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Docket No. 1151-4167

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**RECEIVED**

Applicant(s): Chang Yi Wang

Group Art Unit: TBA

AUG 29 2001

Serial No.: TBA 09865294

Examiner: TBA

TECH CENTER 1600/2900

Filed: May 25, 2001

For: IMMUNOGENIC PEPTIDE COMPOSITION FOR THE PREVENTION AND  
TREATMENT OF ALZHEIMERS DISEASEEXPRESS MAIL CERTIFICATEExpress Mail Label No.: EF 098 975 415USDate of Deposit: August 7, 2001

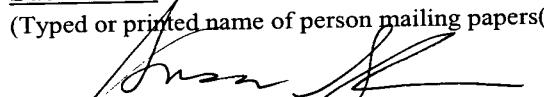
I hereby certify that the following attached paper(s) and/or fee

1. Preliminary Amendment;
2. Appendix 1;
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PATENT  
Attorney Docket: 1151-4167  
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Commissioner for Patents  
Washington, D.C. 20231

Box: Non-fee Amendment

PRELIMINARY AMENDMENT

Sir:  
Please amend the application as follows:

Page 12 to Page 13:

C1 [0032] Figures 2a, 2b, 2c, 2d, and 2e are photographs showing Immunoperoxidase staining of serial sections of AD brain with immune and preimmune sera at 1:100 dilution and under 40X magnification. Figures 2a and 2d showed that the antibodies in guinea pigs immunized with  $\text{A}\beta_{1-28}-\epsilon\text{K-MVF Th1-16}$  (SEQ ID NO:74) prepared in ISA51 water-in-oil emulsion strongly stained the plaques (P) forming a pattern of cores. Figure 2b is a photograph of the staining pattern of AD brain sections using the same immunogen in CFA/ICFA formulation. The anti-sera reacted predominantly with plaques on the blood vessels (BV). Figure 2c is a photograph of an AD brain section with preimmune serum and showed no staining. Figure 2e shows the brain section with hyperimmune sera generated by immunization with  $\text{A}\beta_{1-28}$  peptide alone in CFA/ICFA showing a surprisingly weak staining pattern despite the strong reactivity with  $\text{A}\beta_{1-28}$  by ELISA.